

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
 Data File : BP000255.D
 Acq On : 16 Sep 2019 22:49
 Operator : HP/JU
 Sample : K4886-03 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 17 06:12:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 16 18:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	338954	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1245261	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	678832	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1187208	20.00	ng	0.00
76) Chrysene-d12	13.99	240	962421	20.00	ng	-0.01
87) Perylene-d12	15.47	264	1062466	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	802859	40.89	ng	0.00
7) Phenol-d6	6.42	99	1014700	42.16	ng	0.00
23) Nitrobenzene-d5	7.34	82	533948	27.66	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	282636	41.98	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	1101109	29.19	ng	0.00
79) Terphenyl-d14	12.92	244	1127212	24.57	ng	-0.01

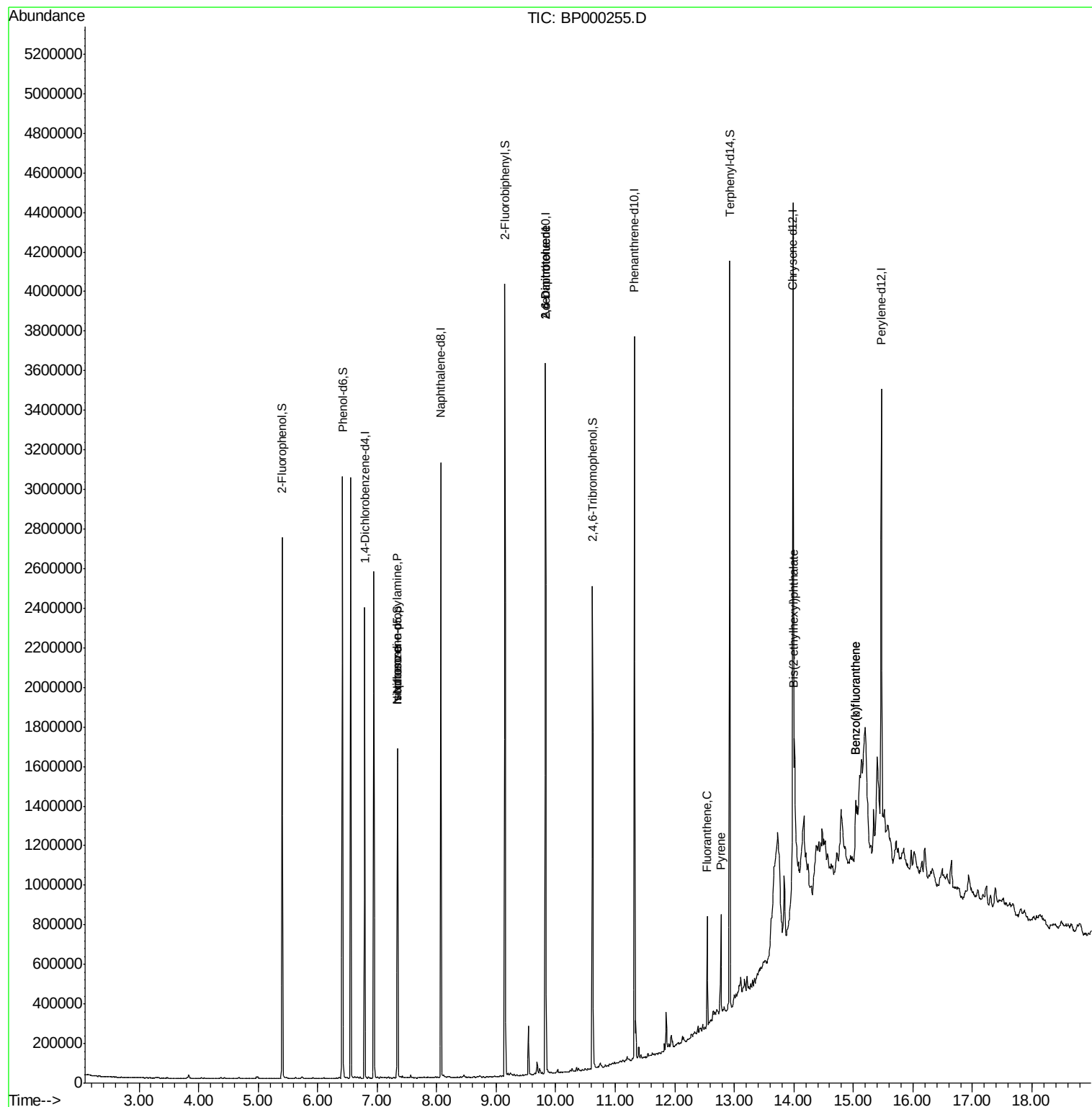
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.33	77	766	Below Cal		# 67
19) n-Nitroso-di-n-propylamine	7.34	70	63980	5.028	ng	# 77
25) Isophorone	7.34	82	532952	13.945	ng	# 63
51) 2,6-Dinitrotoluene	9.83	165	90181	8.868	ng	# 30
57) 2,4-Dinitrotoluene	9.83	165	90320	6.794	ng	# 35
69) Atrazine	11.03	200	177	Below Cal		# 1
75) Fluoranthene	12.55	202	205945	3.224	ng	97
78) Pyrene	12.77	202	195972	2.722	ng	98
84) Bis(2-ethylhexyl)phthalate	14.00	149	122117	3.075	ng	# 67
88) Benzo(b)fluoranthene	15.04	252	209306	3.302	ng	# 89
89) Benzo(k)fluoranthene	15.04	252	209306	3.786	ng	# 89

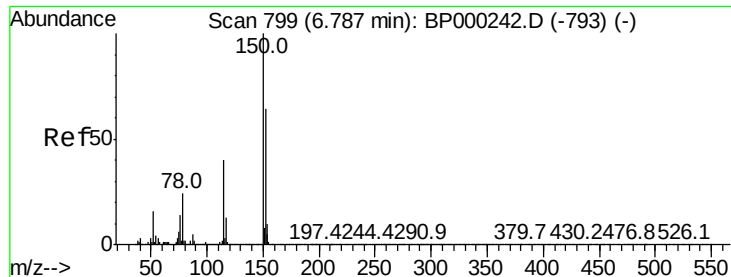
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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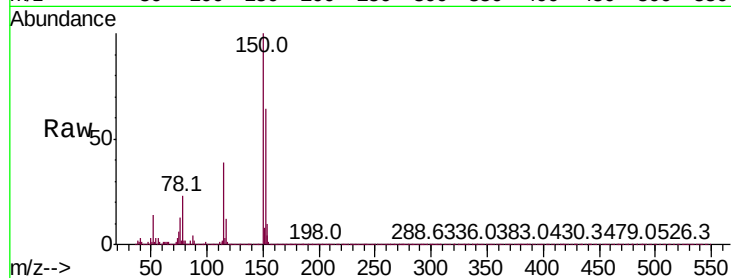


#1

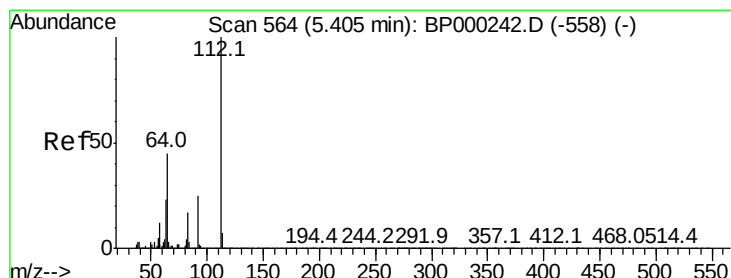
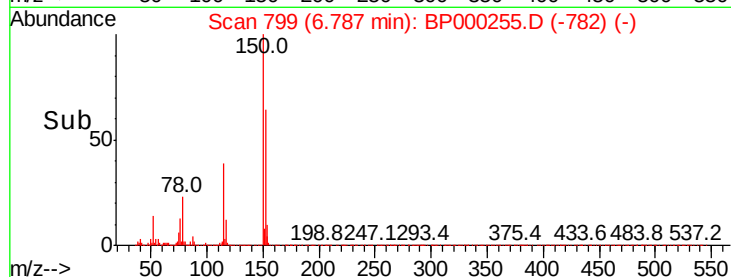
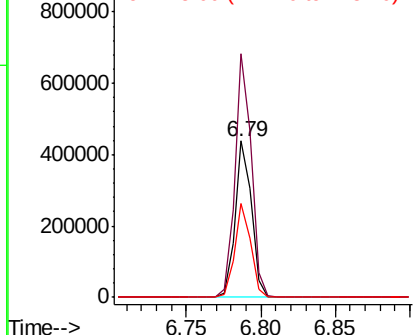
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BP000255.D
Acq: 16 Sep 2019 22:49

Instrument :
BNA_P
ClientSampleId :

Tot Ion:152 Resp: 338954
Ion Ratio Lower Upper
152 100
150 155.7 125.2 187.8
115 60.3 49.7 74.5



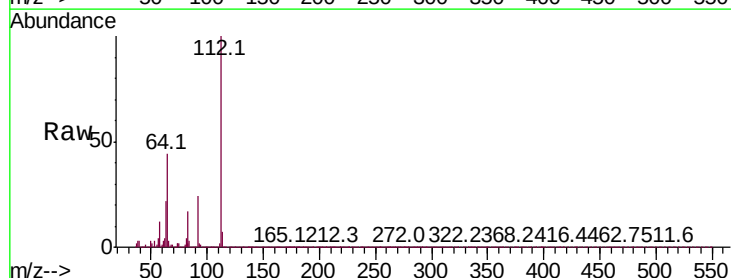
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



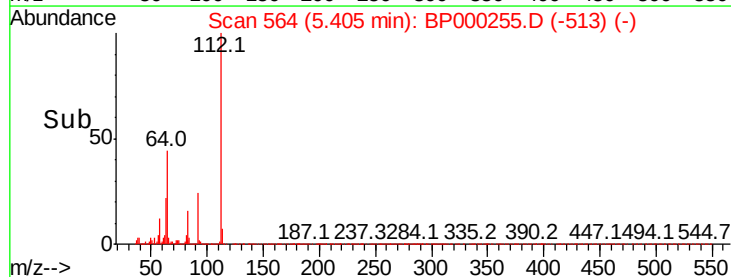
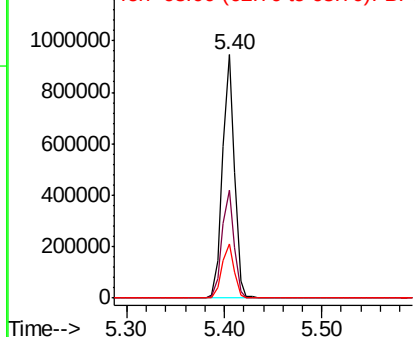
#5

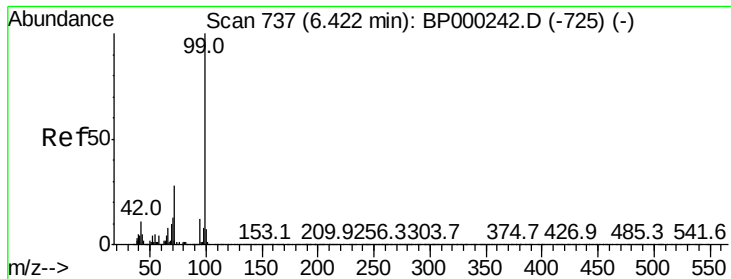
2-Fluorophenol
Concen: 40.891 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BP000255.D
Acq: 16 Sep 2019 22:49

Tgt Ion:112 Resp: 802859
Ion Ratio Lower Upper
112 100
64 44.1 36.2 54.4
63 22.3 18.3 27.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BP0
Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 42.161 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BP000255.D

Acq: 16 Sep 2019 22:49

Instrument :

BNA_P

ClientSampleId :

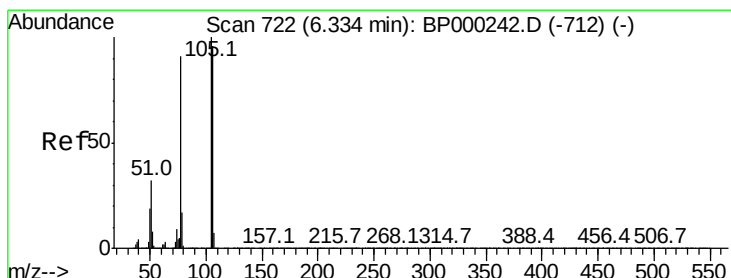
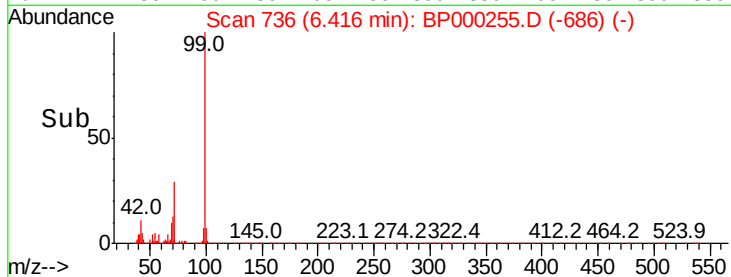
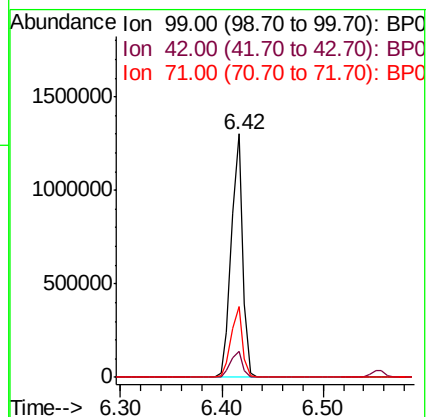
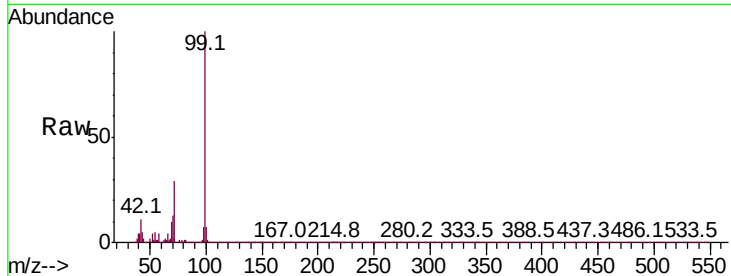
Tot Ion: 99 Resp: 1014700

Ion Ratio Lower Upper

99 100

42 10.6 8.5 12.7

71 28.9 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.33 min Scan# 722

Delta R.T. 0.00 min

Lab File: BP000255.D

Acq: 16 Sep 2019 22:49

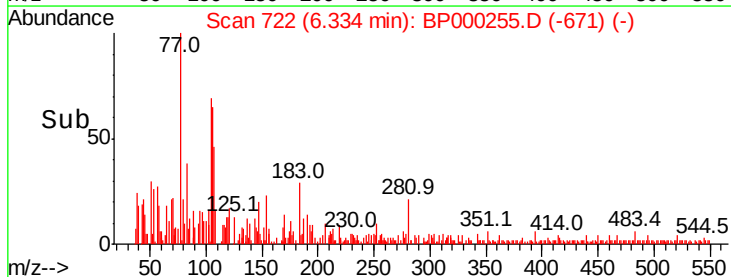
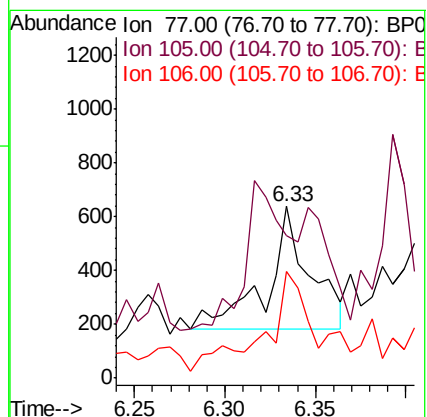
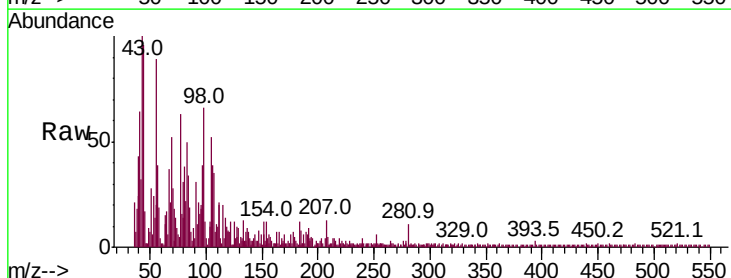
Tgt Ion: 77 Resp: 766

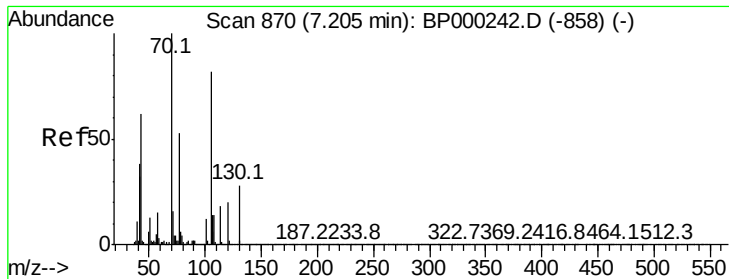
Ion Ratio Lower Upper

77 100

105 82.6 89.6 129.6#

106 61.8 84.6 124.6#

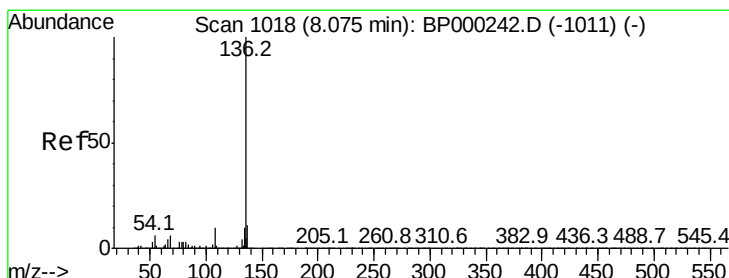
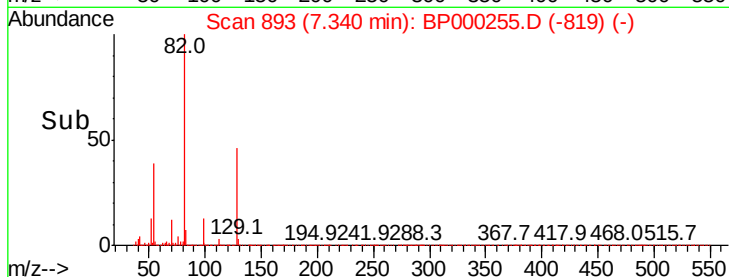
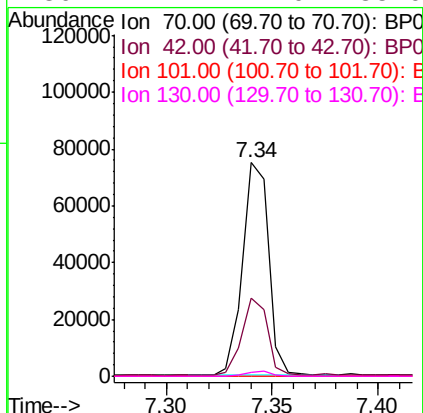
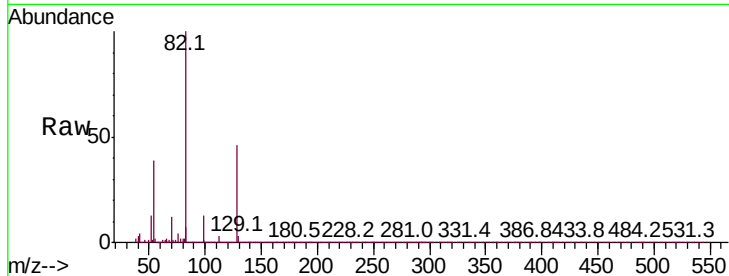




#19
n-Nitroso-di-n-propylamine
Concen: 5.028 ng
RT: 7.34 min Scan# 893
Delta R.T. 0.14 min
Lab File: BP000255.D
Acq: 16 Sep 2019 22:49

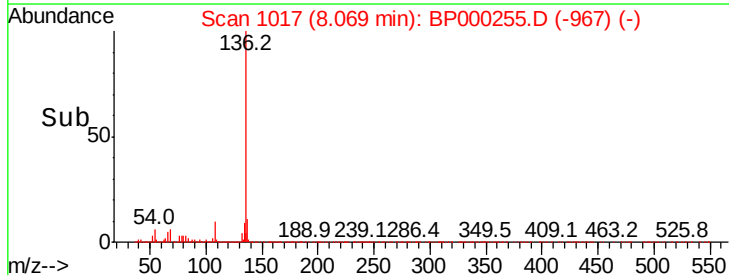
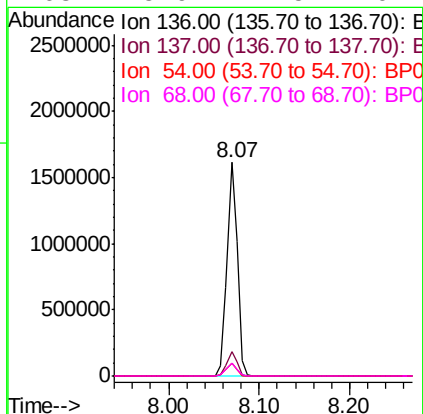
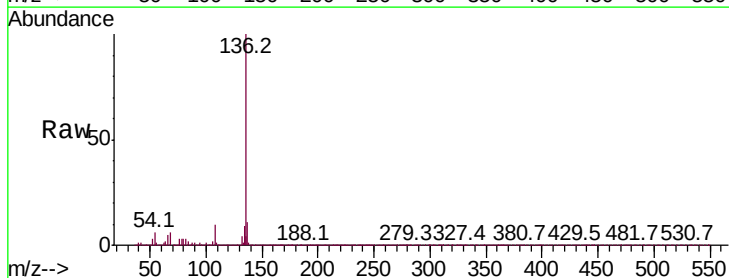
Instrument :
BNA_P
ClientSampled :

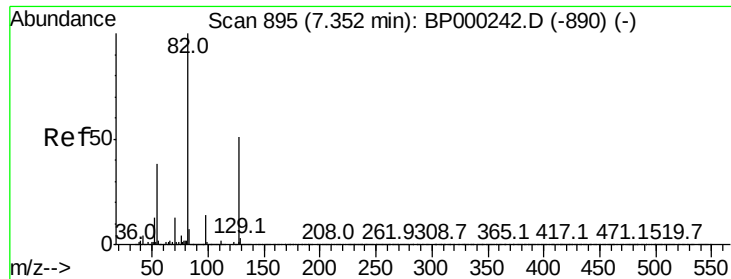
Tot Ion:	70	Resp:	63980
Ion	Ratio	Lower	Upper
70	100		
42	36.6	30.7	46.1
101	0.1	9.6	14.4#
130	2.1	22.0	33.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000255.D
Acq: 16 Sep 2019 22:49

Tgt Ion:	136	Resp:	1245261
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	6.0	4.5	6.7
68	5.9	4.5	6.7

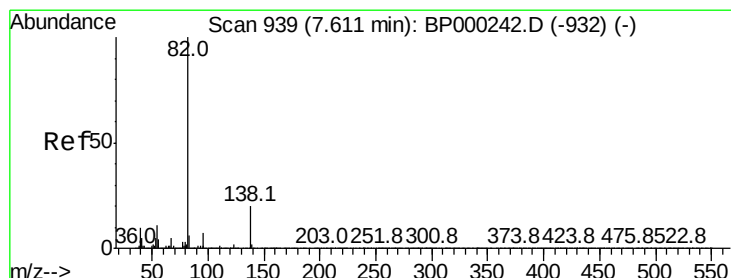
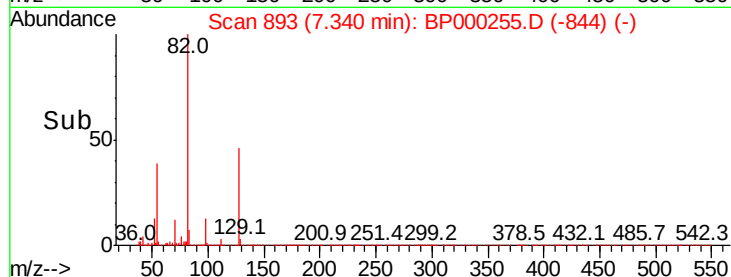
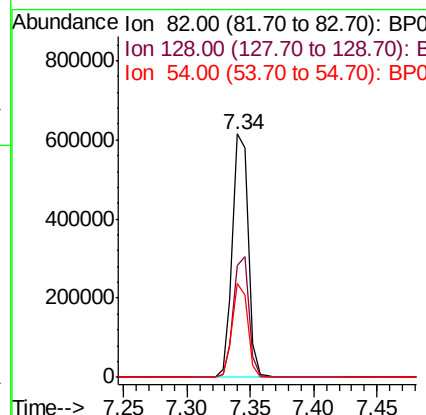
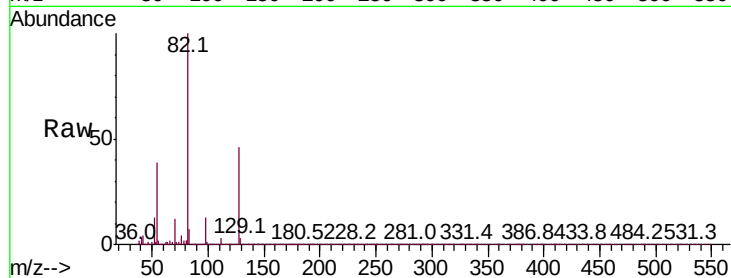




#23
Nitrobenzene-d5
Concen: 27.665 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.01 min
Lab File: BP000255.D
Acq: 16 Sep 2019 22:49

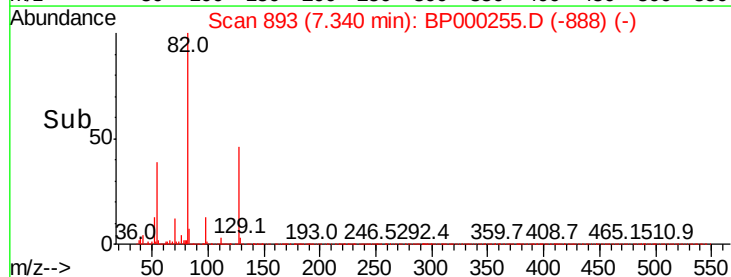
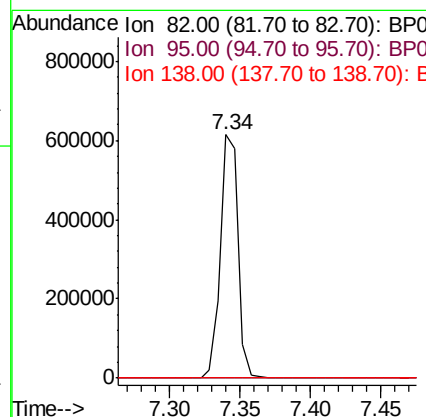
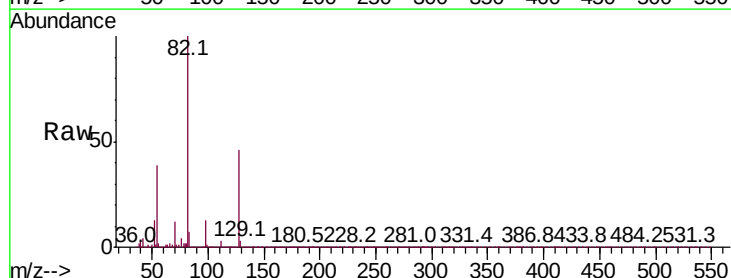
Instrument :
BNA_P
ClientSampleId :

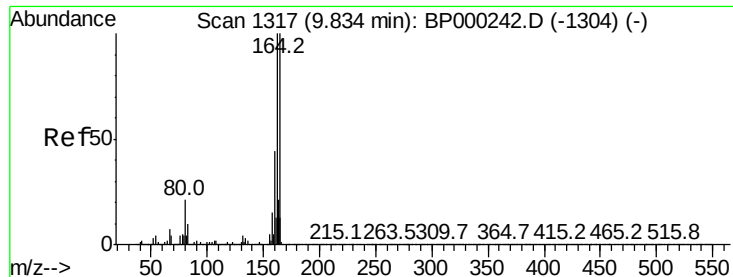
Tot Ion	82	Resp	533948
Ion Ratio	Lower	Upper	
82	100		
128	45.9	40.7	61.1
54	38.6	30.1	45.1



#25
Isophorone
Concen: 13.945 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.27 min
Lab File: BP000255.D
Acq: 16 Sep 2019 22:49

Tgt Ion	82	Resp	532952
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.9	8.9#
138	0.0	15.9	23.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BP000255.D

Acq: 16 Sep 2019 22:49

Instrument :

BNA_P

ClientSampled :

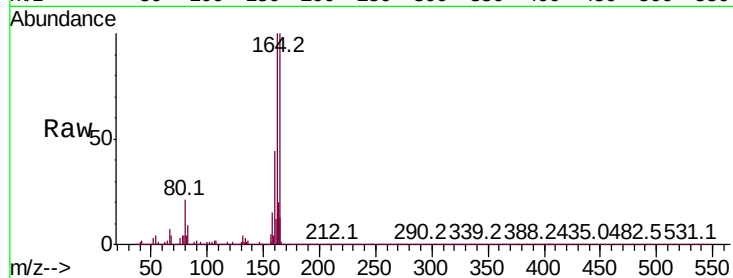
Tot Ion:164 Resp: 678832

Ion Ratio Lower Upper

164 100

162 99.5 79.9 119.9

160 44.4 35.6 53.4

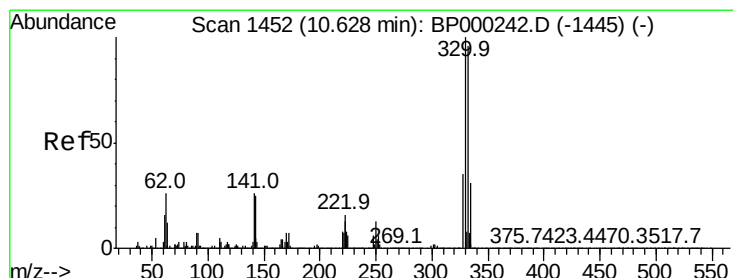
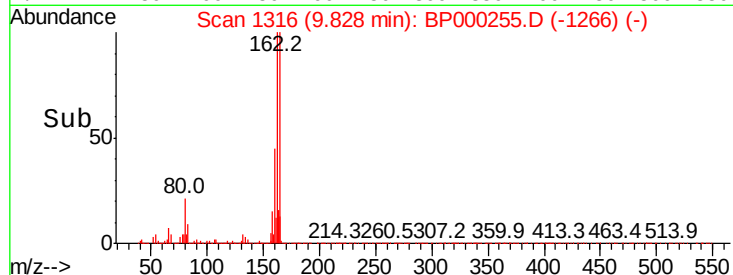
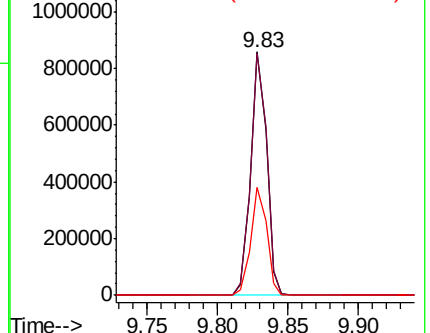


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 41.977 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BP000255.D

Acq: 16 Sep 2019 22:49

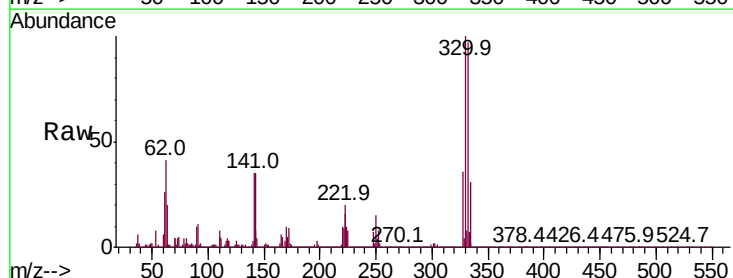
Tgt Ion:330 Resp: 282636

Ion Ratio Lower Upper

330 100

332 96.2 76.6 115.0

141 31.9 26.5 39.7

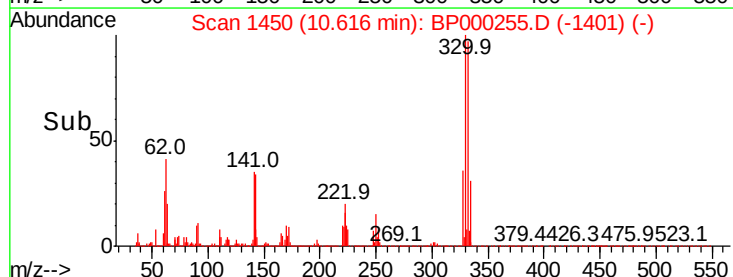
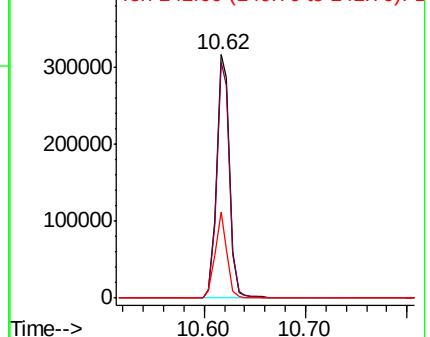


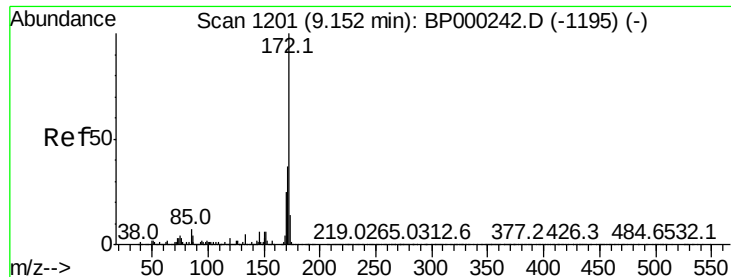
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

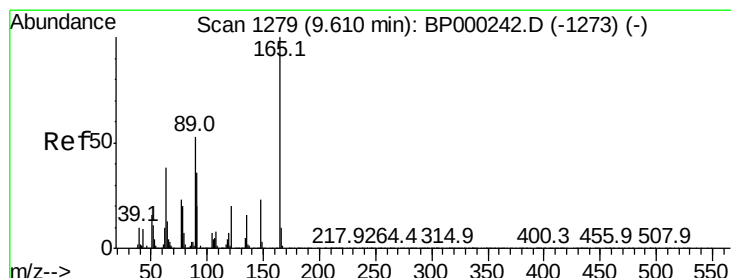
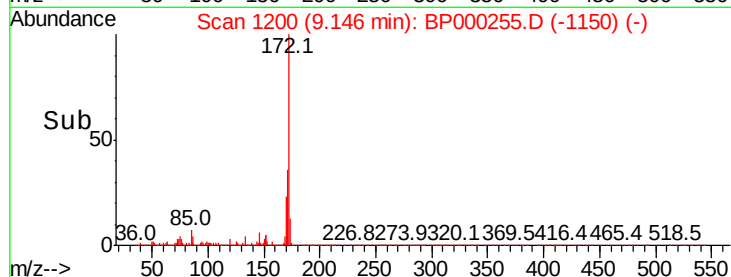
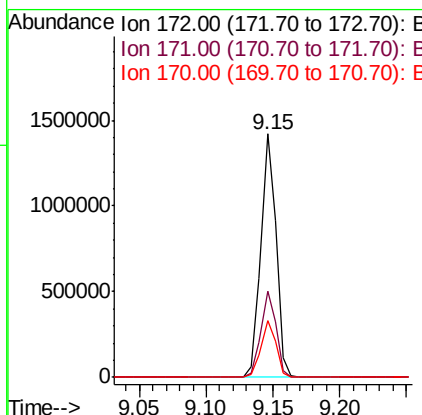
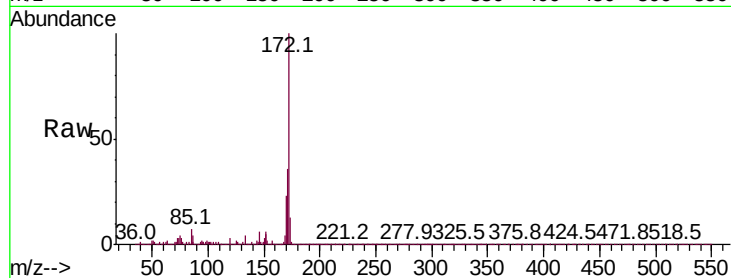




#45
2-Fluorobiphenyl
Concen: 29.194 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BP000255.D
Acq: 16 Sep 2019 22:49

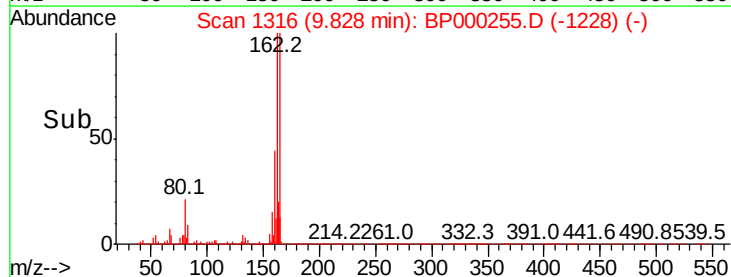
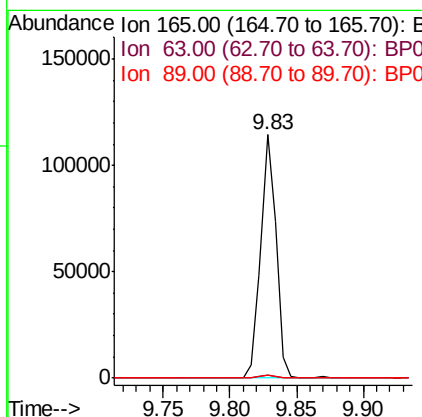
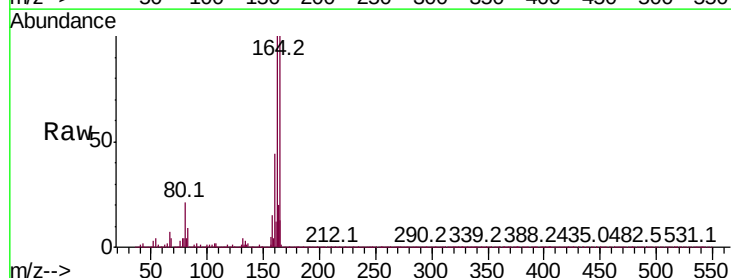
Instrument :
BNA_P
ClientSampleId :

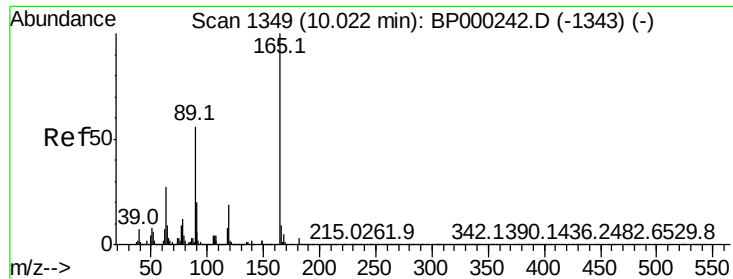
Tot Ion:172 Resp: 1101109
Ion Ratio Lower Upper
172 100
171 35.6 29.8 44.6
170 23.4 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 8.868 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.22 min
Lab File: BP000255.D
Acq: 16 Sep 2019 22:49

Tgt Ion:165 Resp: 90181
Ion Ratio Lower Upper
165 100
63 1.2 35.8 53.8#
89 1.2 42.6 63.8#

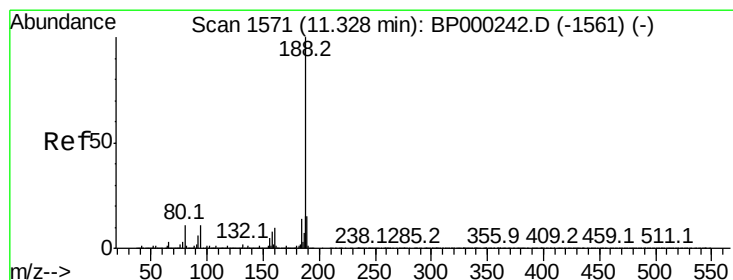
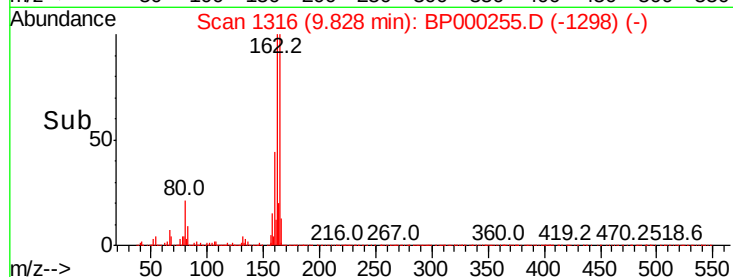
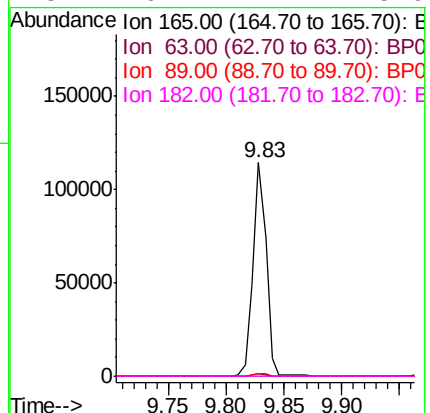
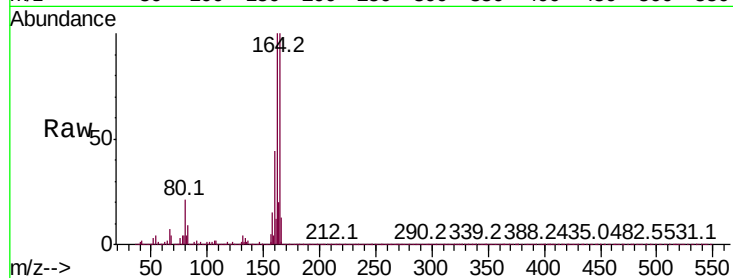




#57
2,4-Dinitrotoluene
Concen: 6.794 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.19 min
Lab File: BP000255.D
Acq: 16 Sep 2019 22:49

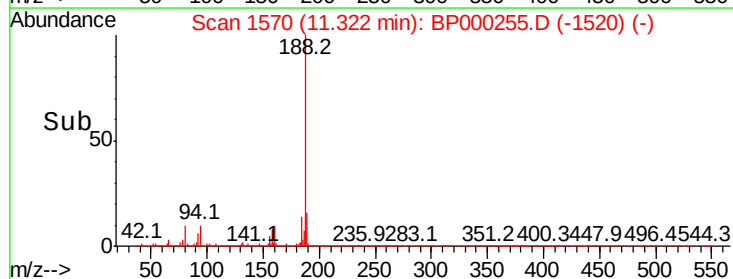
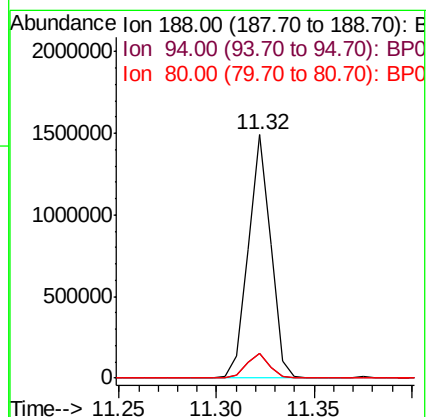
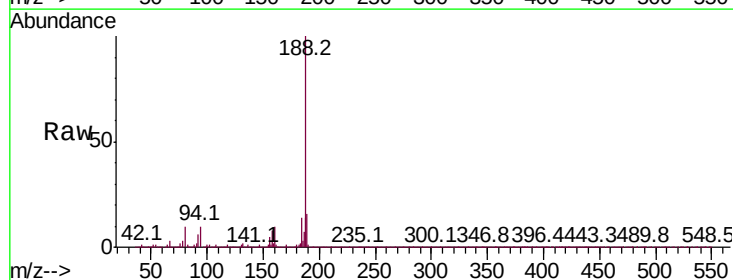
Instrument :
BNA_P
ClientSampleId :

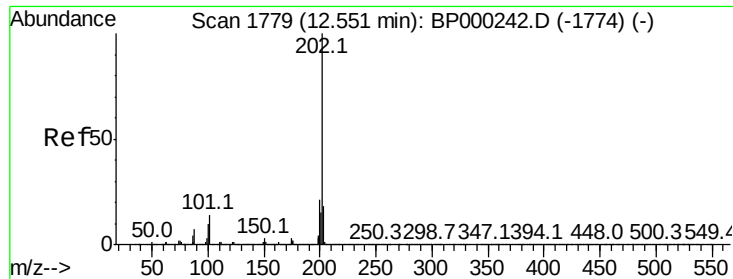
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	21.7	32.5#
89	1.2	45.0	67.6#
182	0.2	2.4	3.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BP000255.D
Acq: 16 Sep 2019 22:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	10.3	8.6	13.0





#75

Fluoranthene

Concen: 3.224 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BP000255.D

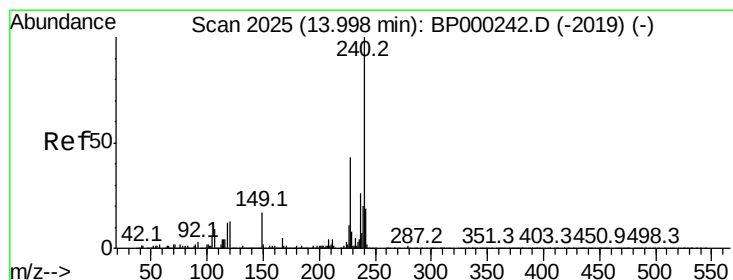
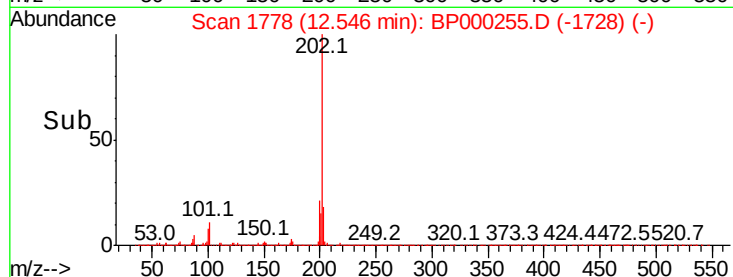
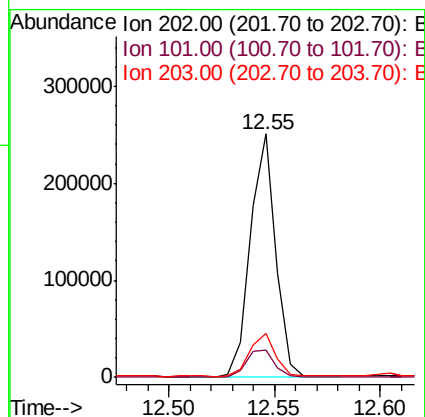
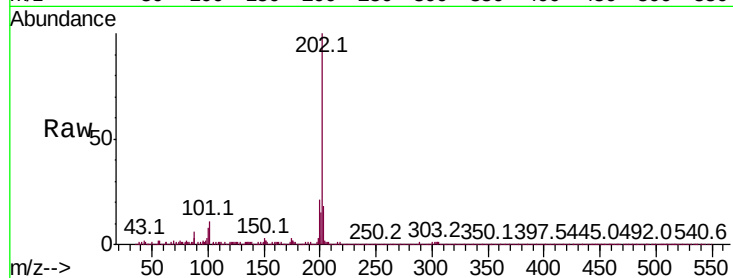
Acq: 16 Sep 2019 22:49

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	205945
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	33.9
203	18.1	0.0	38.0



#76

Chrysene-d12

Concen: 20.000 ng

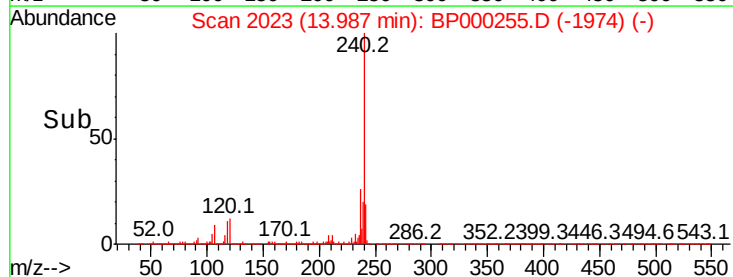
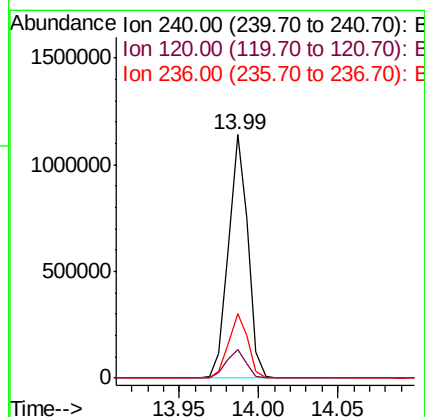
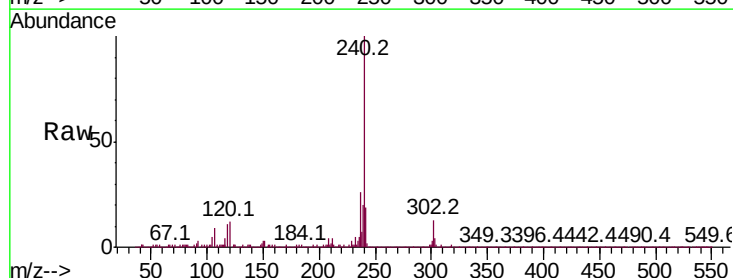
RT: 13.99 min Scan# 2023

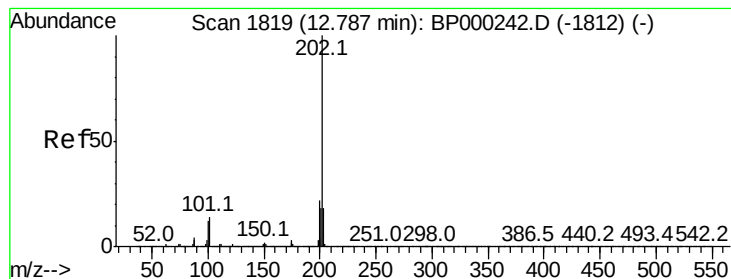
Delta R.T. -0.01 min

Lab File: BP000255.D

Acq: 16 Sep 2019 22:49

Tgt Ion:	240	Resp:	962421
Ion Ratio	Lower	Upper	
240	100		
120	11.8	10.4	15.6
236	26.3	21.0	31.6





#78

Pvrene

Concen: 2.722 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BP000255.D

Acq: 16 Sep 2019 22:49

Instrument :

BNA_P

ClientSampleId :

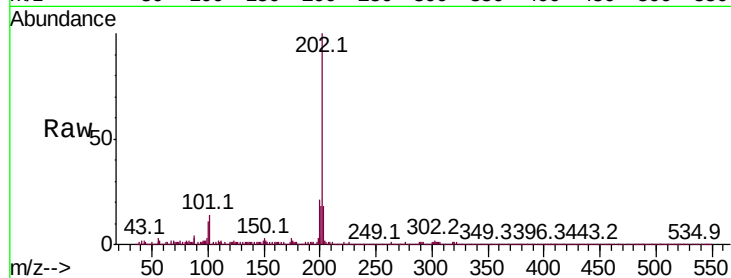
Tot Ion:202 Resp: 195972

Ion Ratio Lower Upper

202 100

200 20.6 17.5 26.3

203 18.3 14.3 21.5

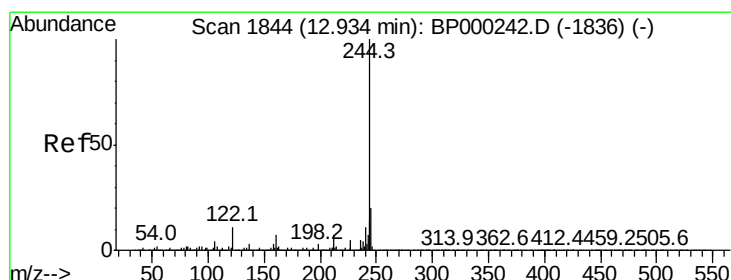
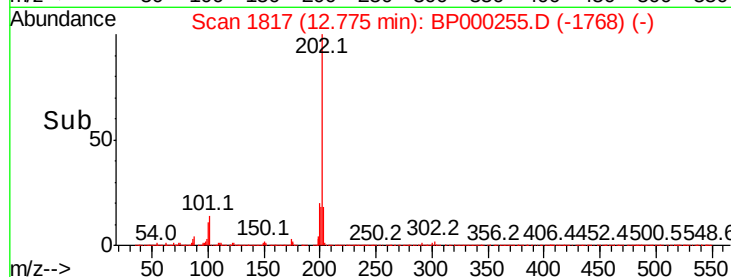
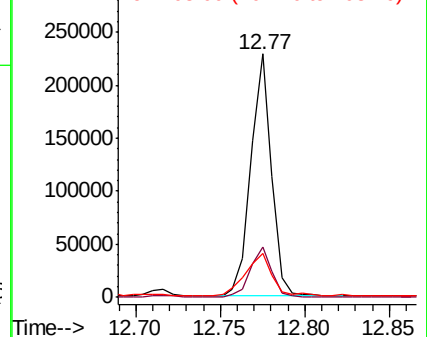


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 24.570 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BP000255.D

Acq: 16 Sep 2019 22:49

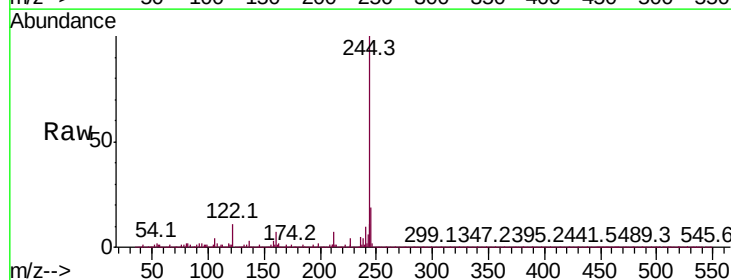
Tgt Ion:244 Resp: 1127212

Ion Ratio Lower Upper

244 100

212 7.0 5.9 8.9

122 11.1 9.0 13.4

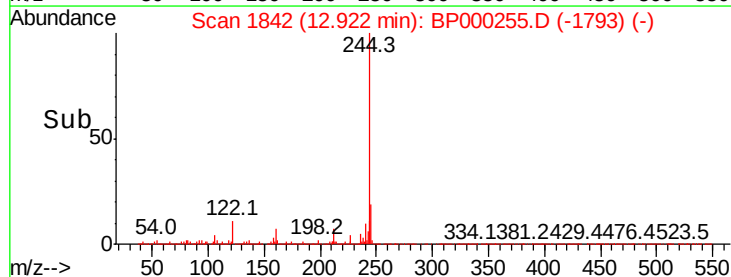
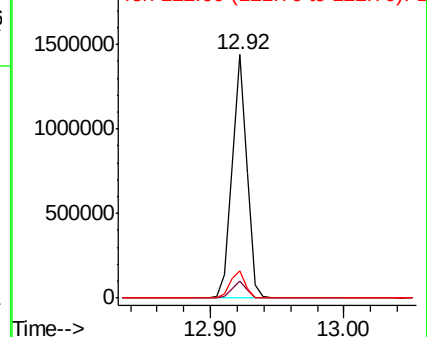


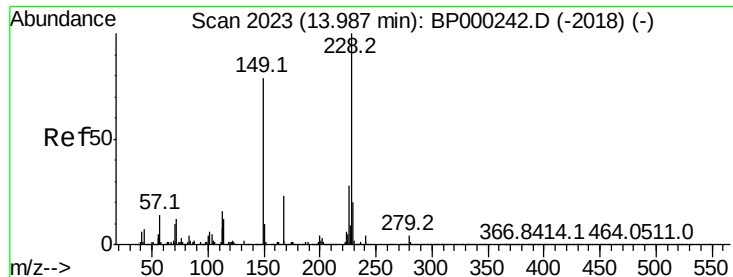
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.075 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.02 min

Lab File: BP000255.D

Acq: 16 Sep 2019 22:49

Instrument :

BNA_P

ClientSampleId :

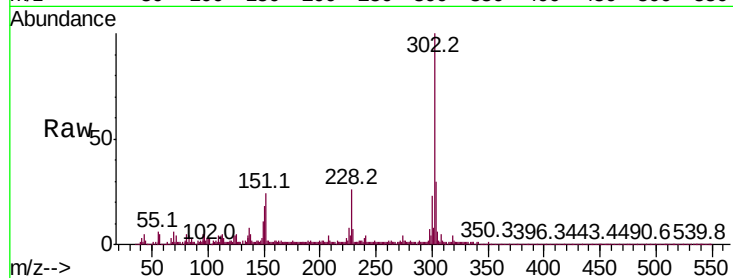
Tot Ion:149 Resp: 122117

Ion Ratio Lower Upper

149 100

167 9.2 23.0 34.4#

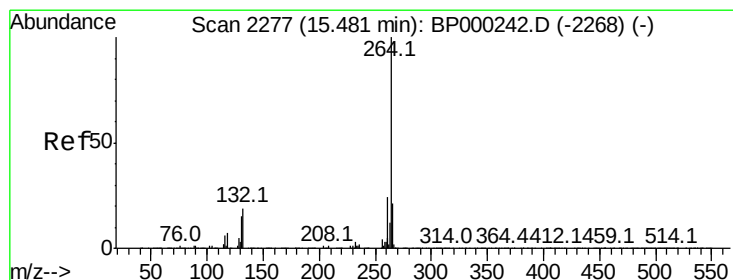
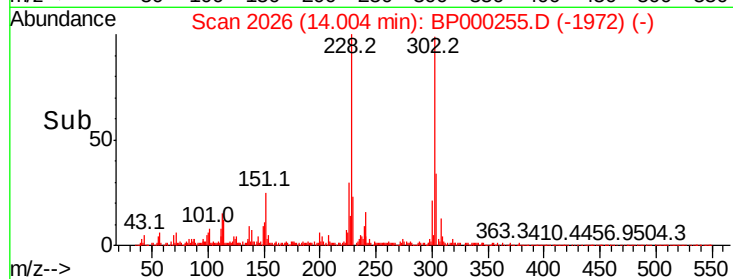
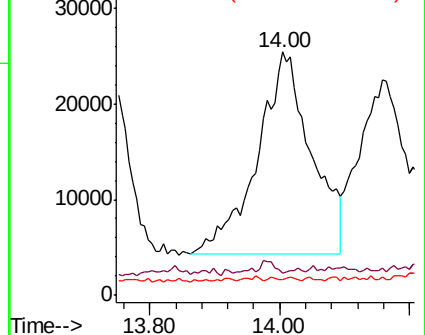
279 6.7 3.7 5.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BP000255.D

Acq: 16 Sep 2019 22:49

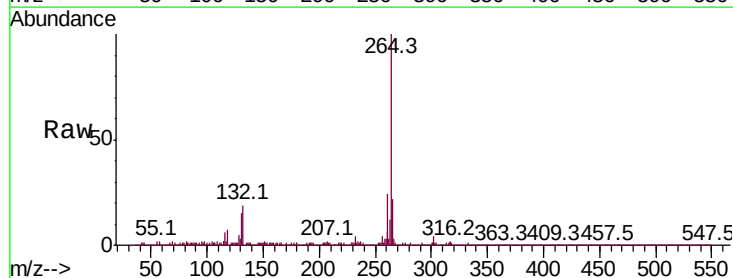
Tgt Ion:264 Resp: 1062466

Ion Ratio Lower Upper

264 100

260 24.3 18.9 28.3

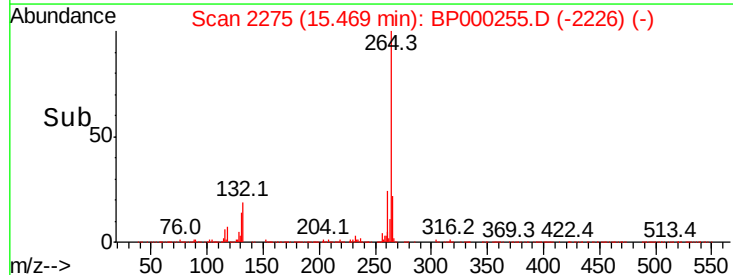
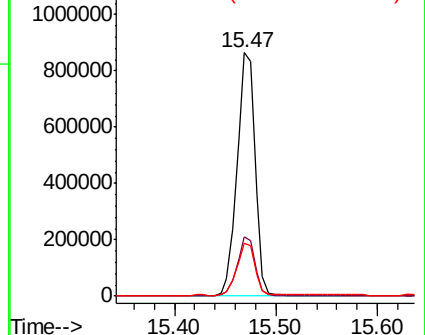
265 21.9 17.2 25.8

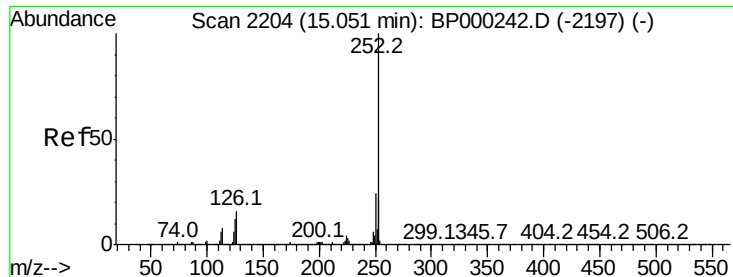


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 3.302 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BP000255.D

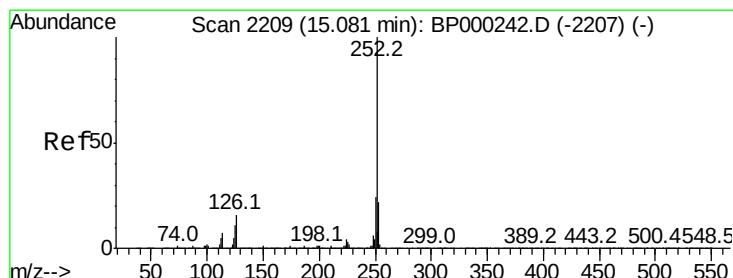
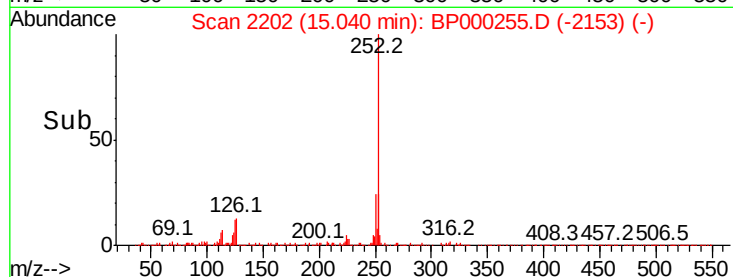
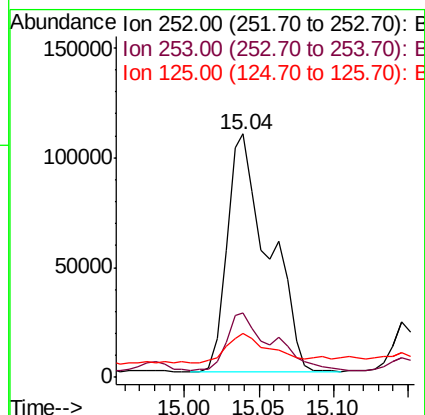
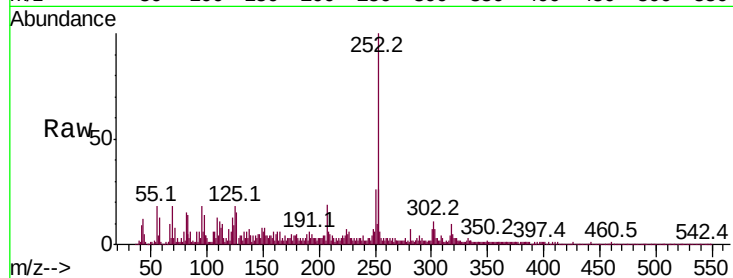
Acq: 16 Sep 2019 22:49

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	252	Resp:	209306
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.8	26.6
125	18.0	9.5	14.3#



#89

Benzo(k)fluoranthene

Concen: 3.786 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.04 min

Lab File: BP000255.D

Acq: 16 Sep 2019 22:49

Tgt Ion:	252	Resp:	209306
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.8	26.8
125	18.0	9.6	14.4#

